

Objet FullCure® 870 Vero Black Resin for Rapid Prototyping

Category : Polymer , Rapid Prototyping Polymer

Material Notes:

Information provided by American Precision Prototyping, LLC

Order this product through the following link:

http://www.lookpolymers.com/polymer_Objjet-FullCure-870-Vero-Black-Resin-for-Rapid-Prototyping.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	83	83	
Tensile Strength, Ultimate	50.7 MPa	7350 psi	ASTM D638-03
Elongation at Break	17.7 %	17.7 %	ASTM D412
Tensile Modulus	2.192 GPa	317.9 ksi	ASTM D638-04
Flexural Strength	79.6 MPa	11500 psi	ASTM D790-03
Flexural Modulus	2.276 GPa	330.1 ksi	ASTM D790-04
Izod Impact, Notched	0.239 J/cm	0.448 ft-lb/in	ASTM D256-06

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	47.0 °C	117 °F	ASTM D648-06
Deflection Temperature at 1.8 MPa (264 psi)	42.9 °C	109 °F	ASTM D648-06
Glass Transition Temp, Tg	62.7 °C	145 °F	DMA, E"

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